

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A method of ~~character-recognizing optical~~
character recognition (OCR) of at least one character object in a digitized representation of
an image, the method comprising the steps of:

receiving the digitized representation of the image, the representation
having a first resolution;

creating a reduced-resolution version of the image from the digitized
representation of the image, the reduced-resolution version of the image having a second
resolution lower than the first resolution;

identifying at least one ~~character-recognition~~ OCR parameter for OCR
~~character-recognition~~ processing of the received digitized representation of the image at the
first resolution, based on using the reduced resolution version of the image at the second
resolution; and

OCR processing ~~character-recognizing the at least one character object~~
~~represented in~~ the digitized representation of the image having at the first resolution, based
~~on the at least~~ on the identified OCR one-character-recognition parameter, so as to
character-recognize the at least one character object.

2. (Currently Amended) The method according to Claim 1, wherein said
identifying step comprises the steps of:

providing a plurality of sets of at least one parameter;

identifying each confidence level of character-recognition by ~~attempting to character-recognize from performing OCR processing of~~ the reduced-resolution version of the image so as to attempt to character-recognize the at least one character object based on each set of the at least one parameter; and

selecting the at least one ~~character-recognition~~ OCR parameter based on the confidence levels identified.

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3. (Currently Amended) The method according to Claim 2, wherein said selecting step comprises selecting the at least one ~~character-recognition~~ OCR parameter corresponding to a highest confidence level from a plurality of the confidence levels identified.

4. (Currently Amended) The method according to Claim 2, wherein said selecting step comprises selecting the at least one ~~character-recognition~~ OCR parameter corresponding to a confidence level exceeding a threshold.

5. (Previously Presented) The method according to Claim 1, wherein said creating step creates the reduced-resolution version of the image by calculating an average of at least one value of a plurality of pixels of the digitized representation of the image.

6. (Cancelled)

7. (Currently Amended) The method according to Claim 1, further comprising the steps of:

judging whether a confidence level of character recognition by said ~~character-recognizing~~ OCR processing step is acceptable; and
repeating said identifying step and said ~~character-recognizing~~ OCR processing step if the confidence level is not acceptable.

8. (Currently Amended) Previously Presented) A computer program product comprising a computer ~~useable~~ usable medium having computer readable program code embodied therein for ~~recognizing~~ optical character recognition (OCR) of at least one character object in a digitized representation of an image, the computer program product comprising computer readable program code ~~devices~~ configured to:

receive the digitized representation of the image, the representation having a first resolution;

create a reduced-resolution version of the image from the digitized representation of the image, the reduced-resolution version of the image having a second resolution lower than the first resolution;

identify at least one ~~character-recognition~~ OCR parameter for ~~character-recognition~~ OCR processing using of the received digitized representation of the image at the first resolution, based on the reduced resolution version of the image at the second resolution; and

OCR processing ~~character-recognition process the at least one character~~
~~object represented in the digitized representation of the image having at the first resolution,~~
~~based on the at least~~ on the identified OCR ~~one character-recognition~~ parameter, so as to
character-recognize the at least one character object.

9. (Currently Amended) The computer program product according to
Claim 8, wherein said computer readable program code ~~devices~~ configured ~~to cause a~~
~~computer~~ to identify at least one OCR parameter is further configured to:

provide a plurality of sets of values of at least one parameter;

identify each confidence level of character-recognition by performing OCR
processing of attempting to character-recognize from the reduced-resolution version of the
image so as to attempt to character-recognize the at least one character object based on
each set of the at least one parameter; and

select the at least one ~~character-recognition~~ OCR parameter based on the
confidence levels identified.

10. (Currently Amended) The computer program product according to
Claim 9, wherein said computer readable program code ~~devices~~ configured ~~to cause a~~
~~computer~~ to select is further configured to select the at least one ~~character-recognition~~ OCR
parameter corresponding to a highest confidence level from a plurality of the confidence
levels identified.

11. (Currently Amended) The computer program product according to Claim 9, wherein said computer readable program code ~~devices~~ configured ~~to cause a computer~~ to select is further configured to select the at least one ~~character-recognition~~ OCR parameter corresponding to a confidence level exceeding a threshold.

12. (Currently Amended) The computer program product according to Claim 8, wherein said computer readable program code ~~devices~~ configured ~~to cause a computer~~ to create is further configured to create the reduced-resolution version of the image by calculating an average of at least one value of a plurality of pixels of the digitized representation of the image.

13. (Cancelled)

14. (Currently Amended) The computer program product according to Claim 8, further comprising computer readable program code ~~devices~~ configured to:
judge whether a confidence level of character recognition is acceptable; and
repeat said identifying step and said ~~character-recognition~~ OCR processing step if the confidence level is not acceptable.

15. (Currently Amended) A system for recognizing objects, the system comprising:

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a ~~coupled~~ downsampler having an input for receiving a digitized
representation of an image having a first resolution and containing a character object, the
downsampler for producing and providing at an output a reduced-resolution version of the
image responsive to the representation of the image received at the downsampler input, the
reduced resolution version of the image having a second resolution lower than the first
resolution; and

a character-recognition engine for optical character recognition (OCR)
processing of an image, said character-recognition engine having a first input coupled to
the downsampler output for receiving the reduced-resolution version of the image and a
second input ~~coupled to the system input~~ for receiving the representation of the image at
the first resolution, the character-recognition engine being constructed to:

identify at least one ~~character-recognition~~ OCR parameter for ~~character-~~
~~recognition~~ OCR processing using of the received digitized representation of the image at
the first resolution, based on the reduced resolution version of the image at the second
resolution received at the first input;

OCR process ~~character-recognize at least one second object in the digitized~~
representation of the image received at the second input, based ~~on the~~ at least on the
identified OCR ~~one character-recognition~~ parameter so as to character-recognize the
character object; and

provide a representation of the ~~at least one~~ character object character-
recognized at a first output coupled to a system output.

16. (Currently Amended) The system according to Claim 15, wherein the character-recognition engine identifies the at least one ~~character-recognition~~ OCR parameter by an attempt to character-recognize at least one first object in the reduced resolution version of the image at least one time for each set in a plurality of sets of parameters.

17. (Previously Presented) The system according to Claim 16,
wherein the character-recognition engine performs character-recognition responsive to an additional set of parameters; and

wherein the character-recognition engine additionally provides a recognition confidence level for each of the at least one times; and

wherein the system further comprises a parameter identifier having a first input for receiving the recognition confidence level for each of the at least one times, and a second input for receiving each set in the plurality of sets of parameters, the parameter identifier for selecting and providing at an output the additional set of parameters responsive to the sets of parameters received at the parameter identifier second input and the recognition confidence level for each of the at least one times received at the parameter identifier first input.

18. (Previously Presented) The system according to Claim 17, wherein the parameter identifier selects the additional set of parameters additionally responsive to a threshold confidence level.

19. (Currently Amended) The system according to Claim 17, wherein:

the at least one time comprises a plurality of times; and

the parameter identifier selects the additional set of parameters responsive to

a confidence level for at least one of the at least one times relative to at least one other confidence level for at least a different time of the at least one times.

20. (Cancelled)
